

## FACILITY PERMIT TO OPERATE LIGHT METALS INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : SCRAP DRYING OPERATION</b>					
HOPPER, DUMP, NO. A, ALUMINUM A/N: 242132	D1			PM: (9) [RULE 405,2-7-1986]	D323.1
HOPPER, SURGE, NO. C, ALUMINUM A/N: 242132	D3			PM: (9) [RULE 405,2-7-1986]	D323.1
CRUSHER, NO. D, ALUMINUM A/N: 242132	D4			PM: (9) [RULE 405,2-7-1986]	D323.1
CONVEYOR, DRAG, NO. E, ALUMINUM A/N: 242132	D5			PM: (9) [RULE 405,2-7-1986]	D323.1
DRYER, ROTARY, NO. 1, NATURAL GAS, 0.5 MMBTU/HR A/N: 435743	D6	C9 C23	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; HAP: (10) [40CFR 63 Subpart RRR,4-20- 2006] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 405,2-7-1986]	C1.2, D323.1
HOPPER, WITH MAGNETIC SEPARATOR A/N: 435743	D31			PM: (9) [RULE 405,2-7-1986]	D323.1
CONVEYOR, DRAG A/N: 435743	D32			PM: (9) [RULE 405,2-7-1986]	D323.1
DRYER, ROTARY, NO. 2, NATURAL GAS, ALUMINUM CHIPS AND BORINGS, 1.2 MMBTU/HR A/N: 435744	D24	C15 C16 C25	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; HAP: (10) [40CFR 63 Subpart RRR,4-20- 2006] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]	C1.1, D323.1

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE LIGHT METALS INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : SCRAP DRYING OPERATION</b>					
				PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 405,2-7-1986]	
<b>Process 2 : MELTING OPERATIONS</b>					
<b>System 1 : ALUMINUM MELTING</b>					
FURNACE, REVERBATORY, NO. A, NATURAL GAS, OXY-FUEL, ALUMINUM, WITH LOW NOX BURNER, 10 MMBTU/HR WITH A/N: 457754	D11	C15 C16 C50	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; HAP: (10) [40CFR 63 Subpart RRR,4-20- 2006] ; NOX: 79.03 LBS/MMSCF OXY-FUEL (2A) [RULE 2012,5-6-2005]  NOX: 60 PPMV NATURAL GAS (4) [RULE 2005,4-20- 2001;RULE 2005,5-6-2005] ; NOX: 43.69 LBS/MMSCF OXY-FUEL (2) [RULE 2012,5- 6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 405,2-7-1986]	A99.1, A99.3, B59.2, C1.3, C1.4, C1.7, D323.1, E54.1, E57.1
CHARGING WELL	D54	C50			
INJECTOR, NO. L, CHLORINE					

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE LIGHT METALS INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : MELTING OPERATIONS</b>					
BURNER, NATURAL GAS, OXY-FUEL, BOC GASES INC., MODEL FLAT JET TM, WITH LOW NOX BURNER, 2 TOTAL; 5 MMBTU/HR					
FURNACE, MELTING, REVERBATORY, #B, OXY-FUEL, ALUMINUM, 180,000 POUNDS CAPACITY, WITH LOW NOX BURNER, 16 MMBTU/HR WITH A/N: 457756	D21	C50	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; HAP: (10) [40CFR 63 Subpart RRR,4-20-2006] ; NOX: 22.91 LBS/MMSCF OXY-FUEL (2A) [RULE 2012,5-6-2005]  NOX: 60 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; NOX: 9.01 LBS/MMSCF OXY-FUEL (2) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 405,2-7-1986]	A99.2, A99.4, B59.2, C1.6, D323.1
CHARGING WELL	D55	C50			
INJECTOR, 2 TOTAL, CHLORINE					
BURNER, OXY-FUEL, BOC FLAT JET TYPE, WITH LOW NOX BURNER, 2 TOTAL; 8 MMBTU/HR					

\* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE LIGHT METALS INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : AIR POLLUTION CONTROL</b>					
AFTERBURNER, NO.1, NATURAL GAS, HARSELL, TWO NORTH AMERICAN BURNERS, 3.2 MMBTU/HR A/N: 449815	C9	D6 C23	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C8.2, D12.1, D323.1
AFTERBURNER, NO. 2, NATURAL GAS, 6.204 MMBTU/HR A/N: 449816	C25	C15 C16 D24	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C8.2, D12.1, D323.1
BAGHOUSE, NO. 1, HARSELL ENGINEERING, THREE SECTIONS, 9150 SQ.FT.; 144 BAGS WITH  INJECTOR, WITH DRY LIMESTONE INJECTION	C15	D11 D24 C25		PM: (9) [RULE 404,2-7-1986]	A72.1, C6.1, C6.4, C8.1, D12.3, D322.1, D381.1, E71.2, E102.1, K67.1, K67.4

\* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE LIGHT METALS INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : AIR POLLUTION CONTROL</b>					
BAGHOUSE, NO. 2, HARSELL ENGINEERING, FOUR SECTIONS, 12200 SQ.FT.; 192 BAGS WITH A/N: 451415  INJECTOR, WITH DRY LIMESTONE INJECTION	C16	D11 D24 C25		PM: (9) [RULE 404,2-7-1986]	A72.1, C6.1, C6.4, C8.1, D12.3, D322.1, D381.1, E71.2, E102.1, K67.1, K67.4
BAGHOUSE, NO. 3, WHEELABRATOR, MODEL 126-D, THREE SECTIONS, AUTOMATIC SHAKER SYSTEM, 20274 SQ.FT.; 1056 BAGS WITH A/N:  INJECTOR, WITH DRY LIMESTONE INJECTION	C23	D6 C9		PM: (9) [RULE 404,2-7-1986]	A72.1, C6.1, C6.4, C8.1, D12.3, D322.2, D381.2, E71.1, E102.1, K67.3, K67.4
BAGHOUSE, NO. 4, ICA REES, MODEL 4-2400, VENTS ONE ALUMINUM DROSS BUILDING AND CRUCIBLE FURNACE, 10053 SQ.FT. A/N: 449818	C39	D52		PM: (9) [RULE 404,2-7-1986]	C6.1, C409.1, D12.3, D322.3, D381.1, E102.1, K67.1
BAGHOUSE, NO. 6, PANGBORN, MODEL 5-456 CT, MECHANICAL SHAKER, VENTING CHARGE WELL AND HEARTH, 33630 SQ.FT.; 2280 BAGS WITH A/N:	C50	D11 D21 D42 D54 D55		PM: (9) [RULE 404,2-7-1986]	A72.1, C6.2, C6.4, C8.1, D12.3, D322.2, D381.1, E69.1, E102.1, K67.1, K67.4

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE LIGHT METALS INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : AIR POLLUTION CONTROL</b>					
INJECTOR, WITH DRY LIMESTONE INJECTION					
STORAGE BUILDING, DROSS, WITH AN INSIDE TRUCK LOADING DOCK, WIDTH: 63 FT; HEIGHT: 17 FT 10 IN; LENGTH: 48 FT 6 IN A/N: 401949	D52	C39			A101.1, D12.5, D381.1, E71.3, E440.1, K67.5
<b>Process 5 : R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E36			ROG: (9) [RULE 1113,11-8-1996;RULE 1113,7-9-2004;RULE 1171,11-7-2003;RULE 1171,5-6-2005]	K67.2
<b>Process 6 : HOLDING OPERATIONS</b>					
<b>System 1 : ALUMINUM</b>					
FURNACE, HOLDING, REVERBATORY, NATURAL GAS, ALUMINUM, 69,000 POUNDS CAPACITY, WITH LOW NOX BURNER, 5 MMBTU/HR WITH A/N: 454024	D42	C50	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; HAP: (10) [40CFR 63 Subpart RRR,4-20-2006] ; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001] ; RULE 2005,5-6-2005] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B59.1, D323.1, E147.1, E147.2, E147.3

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE LIGHT METALS INC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6 : HOLDING OPERATIONS</b>					
BURNER, NATURAL GAS, ECLIPSE COMBUSTION, MODEL 500 TJ, WITH LOW NOX BURNER, 5 MMBTU/HR  PUMP  CONVEYOR				PM: (9) [RULE 404,2-7-1986]	

- \* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements
- \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**



## FACILITY PERMIT TO OPERATE LIGHT METALS INC

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	0
D3	1	1	0
D4	1	1	0
D5	1	1	0
D6	1	1	0
C9	4	4	0
D11	2	2	1
C15	4	4	0
C16	5	4	0
D21	3	2	1
C23	5	4	0
D24	1	1	0
C25	4	4	0
D31	1	1	0
D32	1	1	0
E36	6	5	0
C39	5	4	0
D42	6	6	1
C50	5	4	0
D52	6	4	0
D54	2	2	1
D55	3	2	1

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

#### **FACILITY CONDITIONS**

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Including, but not limited to:

Material charged in Scrap Dryers (lbs)

Differential Pressure across all baghouses

Quantity of Lime Injection (lbs)

Temperature in afterburners

Differential Pressure within the Dross House

Filter Media Inspections of all Baghouses

VEE inspection results of all equipment

Exhaust Blower rate (acfm) of applicable baghouses

Architectural coatings and associated materials

Aluminum processed in each furnace (lbs)

Chlorine added to each furnace (lbs)

Monthly natural gas usage of each furnace

The above records shall be made available to AQMD personnel upon request and be maintained for at least five years.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

**F24.1 Accidental release prevention requirements of Section 112(r)(7):**

- a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).
- b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

**[40CFR 68 - Accidental Release Prevention, 5-24-1996]**

### **DEVICE CONDITIONS**

#### **A. Emission Limits**

- A72.1** The operator shall maintain this equipment to achieve a minimum removal efficiency of 99 percent for PM during the normal operation of the equipment it vents.

**[RULE 1407, 7-8-1994]**

**[Devices subject to this condition : C15, C16, C23, C50]**

- A99.1** The 43.69 LBS/MMCF NOX emission limit(s) shall only apply during high fire conditions.

For the purposes of this condition, high fire shall be defined as a firing rate greater than 3.2 mmscfh.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 2012, 5-6-2005]**

**[Devices subject to this condition : D11]**

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

A99.2 The 9.01 LBS/MMCF NOX emission limit(s) shall only apply during high fire conditions.

For the purposes of this condition, high fire shall be defined as a firing rate greater than 4.0 mmscfh.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D21]

A99.3 The 79.03 LBS/MMCF NOX emission limit(s) shall only apply during low fire (idle) conditions.

For the purposes of this condition, low fire shall be defined as a firing rate less than or equal to 3.2 mmscfh.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D11]

A99.4 The 22.91 LBS/MMCF NOX emission limit(s) shall only apply during low fire (idle) conditions.

For the purposes of this condition, low fire shall be defined as a firing rate less than or equal to 4.0 mmscfh.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D21]

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

A101.1 The operator shall take all reasonable control measures to minimize fugitive emissions from this equipment.

[**RULE 401, 3-2-1984**; RULE 401, 11-9-2001; RULE 402, 5-7-1976]

[Devices subject to this condition : D52]

### **B. Material/Fuel Type Limits**

B59.1 The operator shall not use the following material(s) in this device :

Flourides, Chlorine, or Aluminum Chloride

Metals contaminated with rubber, plastics, paper, rags, oil, grease, or similar smoke-producing materials

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D42]

B59.2 The operator shall only use the following material(s) in this device :

Combustion air containing 99.5 percent oxygen or greater

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D11, D21]

### **C. Throughput or Operating Parameter Limits**

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C1.1 The operator shall limit the material processed to no more than 7200000 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as material charged to this chip-drying system.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D24]

- C1.2 The operator shall limit the material processed to no more than 3000000 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as material charged to this chip-drying system.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D6]

- C1.3 The operator shall limit the throughput to no more than 42 ton(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as chlorine added.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D11]

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C1.4 The operator shall limit the material processed to no more than 2700 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as aluminum.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D11]

- C1.6 The operator shall limit the material processed to no more than 5400 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as aluminum.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D21]

- C1.7 The operator shall limit the fuel usage to no more than 5.41 MM cubic feet in any one calendar month.

For the purpose of this condition, fuel usage shall be defined as natural gas.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D11]

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 10 inches water column.

To comply with this condition, the operator shall monitor and record the differential pressure as specified in condition number 12-3.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C15, C16, C23, C39]

- C6.2 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 8 inches water column.

To comply with this condition, the operator shall monitor and record the differential pressure as specified in condition number 12-3.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C50]

- C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 360 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature being supplied to the Baghouse.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1407, 7-8-1994]**

[Devices subject to this condition : C15, C16, C23, C50]



## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- C8.1 The operator shall use this equipment in such a manner that the lime injection rate being monitored, as indicated below, is not less than 2.6 lb(s) per 100 lbs of chlorine injected.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C15, C16, C23, C50]

- C8.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

To comply with this condition, the operator shall monitor the temperature as specified in condition number 12-1.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C9, C25]

- C409.1 The operator shall ensure that damper to the dross house used in this equipment shall meet the following specified requirements:

The damper is to remain in the locked open position at all times to prevent the escape of fugitive emissions from the dross house, except during breakdowns or routine maintenance.

**[RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : C39]

### **D. Monitoring/Testing Requirements**

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- D12.1 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the afterburner.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 Deg. F. It shall be calibrated once every 6 months.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C9, C25]

- D12.3 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the bags.

The operator shall record the parameter being monitored once every day.

The operator shall maintain records of the differential pressure across the bags in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C15, C16, C23, C39, C50]

- D12.5 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the pressure in the Dross House.

The operator shall record the parameter being monitored once every shift.

The operator shall maintain records of the differential pressure in the Dross House in a manner approved by the District, to demonstrate compliance with this condition.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D52]

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- D322.1 The operator shall perform annual inspection of the equipment and all filter media for leaks, broken or torn filter media, and improperly installed filter media. The operator shall also take corrective action within 24 hours and report the emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]**

[Devices subject to this condition : C15, C16]

- D322.2 The operator shall perform a monthly inspection of the equipment and all filter media for leaks, broken or torn filter media, and improperly installed filter media. The operator shall also take corrective action within 24 hours and report the emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit..

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]**

[Devices subject to this condition : C23, C50]

- D322.3 The operator shall perform a weekly inspection of the equipment and all filter media for leaks, broken or torn filter media, and improperly installed filter media. The operator shall also take corrective action within 24 hours and report the emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]**

[Devices subject to this condition : C39]

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D1, D3, D4, D5, D6, C9, D11, D21, D24, C25, D31, D32, D42]

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C15, C16, C39, C50, D52]

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C23]

### **E. Equipment Operation/Construction Requirements**

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- E54.1 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

Device ID: C15 & 16 [Baghouses]

Requirement number 1: The hearth is vented to C50.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D11]

- E57.1 The operator shall vent this equipment to C50 whenever Furnace B, D21, is shut down.

When venting the hearth for Furnace A, the damper to C15 & C16 shall be closed.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D11]

- E69.1 The operator shall not vent more than 1 of any of the following items simultaneously:

Device ID: D11 [Hearth]

Device ID: D21 [Furnace]

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C50]

- E71.1 The operator shall not operate this equipment if more than one section is out of service at any one time. Whenever any one section is out of service, the exhaust blower volume shall not exceed 27,032 acfm. Operations of the equipment under this condition shall be conducted only for the purpose of maintenance and or repair of the equipment. The operator shall maintain a record of all such operations under these conditions.

**[RULE 1304(c)-Offset Exemption, 6-14-1996]**

[Devices subject to this condition : C23]

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

- E71.2 The operator shall not operate this equipment if more than one section is out of service at any one time. Whenever any one section is out of service, the exhaust blower volume shall not exceed 35,949 acfm. Operations of the equipment under this condition shall be conducted only for the purpose of maintenance and or repair of the equipment. The operator shall maintain a record of all such operations under these conditions.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : C15, C16]

- E71.3 The operator shall only operate this equipment when the baghouse (C39) is in full use.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]**

[Devices subject to this condition : D52]

- E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : C15, C16, C23, C39, C50]

- E147.1 The operator shall not conduct fluxing in this equipment.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D42]

- E147.2 The operator shall not conduct refining in this equipment.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D42]

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

E147.3 The operator shall not conduct metal melting or remelting operation in this equipment.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D42]

E440.1 The operator shall operate and maintain this equipment according to the following specifications:

Install and maintain solid, tight-fitting roll-up doors for the entry and exit openings of the dross house.

Doors are to remain completely closed except during the ingress and egress of dross transport equipment.

Inspect daily the structural integrity of the dross house to mitigate visible emissions to the atmosphere.

Install and maintain air inlet vents at the southwest side of the dross house.

**[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]**

[Devices subject to this condition : D52]

### **K. Record Keeping/Reporting**

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The date, time and description of any maintenance or repairs resulting from the inspection.

The name of the person performing the inspection and/or maintenance of the filter media.

The date, time and results of the inspection.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C15, C16, C39, C50]



## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E36]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The name of the person performing the inspection and/or maintenance of the filter media.

The date, time and results of the inspection.

The date, time and description of any maintenance or repairs resulting from the inspection.

The pressure drop across the bags on a weekly basis.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C23]

## **FACILITY PERMIT TO OPERATE LIGHT METALS INC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Amount of chlorine injected

Limestone injection rate

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : C15, C16, C23, C50]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Date and time of dross transport into and out of the dross house.

Date and time of truck loading operations for each shipment of dross.

**[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]**

[Devices subject to this condition : D52]